Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/10/2015 11:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124550	-1	3.96	124339	3.94
Blue	F	SSC	125000	125369	0	3.82	126260	3.60
Blue	E	FITC	17998	17393	-4	4.00	978	9.61
Blue	D	PE	23234	22770	-2	3.76	1022	8.69
Blue	B	PerCP-Cy5-5	69571	68897	-1	4.15	1802	13.72
Blue	A	PE-Cy7	77815	77341	-1	5.08	998	25.12
Red	C	APC	65936	64743	-2	3.38	3655	8.56
Red	A	APC-Cy7	100669	100440	-1	3.54	1976	8.20
Violet	B	V450	10405	10077	-4	3.26	628	8.23
Violet	A	V500	47250	46267	-3	2.66	2623	5.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19400	15.67	606	27	N/A	N/A	Pass
Blue	F	SSC	62035	2.95	516	27	N/A	N/A	Pass
Blue	E	FITC	105	34.59	532	17	0.0238	26	Pass
Blue	D	PE	211	23.89	525	18	0.1680	100	Pass
Blue	B	PerCP-Cy5-5	218	39.85	611	21	0.0109	0	Pass
Blue	A	PE-Cy7	72	102.83	669	23	0.0151	16	Pass
Red	C	APC	341	26.39	587	9	0.0202	0	Pass
Red	A	APC-Cy7	123	38.39	568	9	0.0050	891	Pass
Violet	B	V450	66	42.59	468	18	0.0420	1704	Pass
Violet	A	V500	171	22.15	508	20	0.0124	3	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.61	-31.38	0.71
Blue	20.48	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.18
Red	15.50	13.07 - 19.61	N/A	N/A	31.90	32.29	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 14152

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments